LID Credits -- HIGH IMPERVIOUS COVER (> 40%)

cells in blue are data entry cells
cells in yellow are calculated results

Project Name:	
Site Area (acres)	5
Impervious (%)	70
Impervious Area (acres)	3.5

STEP 1. Credits

Credit	Volume Reduction Credit (%)	Unit	Credit Area (ac)	I Reduction (ac)
1. Reforesting Riparian Area	50	acres reforested	0.1	0.05
2. Expanding/Protecting Riparian Area	50	acres expanded and/or protected	0	0.00
3. Open Space Conservation				
3.a. A/B Soils	75	acres conserved	0	0.00
3.b. C/D Soils	50	acres conserved	0.3	0.15
4. Open Space Conservation w/ Hydrologic Function				
4.a. A/B Soils	100	acres conserved	0	0.00
4.b. C/D Soils	75	acres conserved	0	0.00
5. On-Lot Rain Garden, Dry Well, Infiltration Practice				
5.a. A/B Soils	100	acres of rooftop treated	0	0.00
5.b. C/D Soils	50	acres of rooftop treated	0	0.00
6. Rainwater Harvesting				
6.a. Rain Barrels (small storage)	10	acres of rooftop treated	0	0.00
6.b. Cisterns (large storage)	25	acres of rooftop treated	0.5	0.13
7. On-Lot Soil Amendments				
7.a. Just soil amendment	25	acres amended	0	0.00
7.b. With disconnection	50	acres amended	0	0.00
8. Pervious Parking				
8.a. A/B Soils, infiltration design	100	acres of pervious parking	0	0.00
8.b. C/D Soils, underdrain design	50	acres of pervious parking	0.25	0.13
8.c. Other parking draining to pervious parking	25	acres draining to pervious parking	0.5	0.13
9. Green Roof				
9.a. Extensive	50	acres of green roof	0	0.00
9.b. Intensive	75	acres of green roof	0	0.00
10. Grass Channels				
10.a. A/B Soils	75	impervious acres draining to grass channel	0	0.00
10.b. C/D Soils	50	impervious acres draining to grass channel	0.5	0.25
11. Other Impervious Disconnection				
11.a. A/B Soils	50	impervious acres treated	0	0.00
11.b. C/D Soils	25	impervious acres treated	0.5	0.13

TOTAL CREDIT AREA	0.95
ADJUSTED IMPERVIOUS AREA	2.55
ADJUSTED IMPERVIOUS %	**51**

STEP 2. BMP Efficiency Requirement

Parameter (post-development)		
P	Precipitation (in/yr)	43
P_j	Fraction of Runoff Producing Events	0.9
I	Adjusted Imperviousness Cover (%)	51
R_v	Runoff Coefficient	0.51
C	Mean Concentration of Pollutant (mg/L)	1.12
A	Area (acres)	1

Post-Development Load (lb/yr):	5.00
Required Removal (2.68 N standard)	2.32
Adjusted BMP Efficiency Requirement	**46%**

STEP 3. BMP Selection

BMP Type	Removal Efficiency for HIGH Impervious Cover Site (> 40%)
Wet Pond 2	40%
Bioretention 1	45%
Bioretention 2	55%
Infiltration 1	40%
Infiltration 2	65%
Constructed Wetland 1	25%
Constructed Wetland 2	55%
WQ Swale 1	45%
WQ Swale 2	55%
Filtering Practice	50%